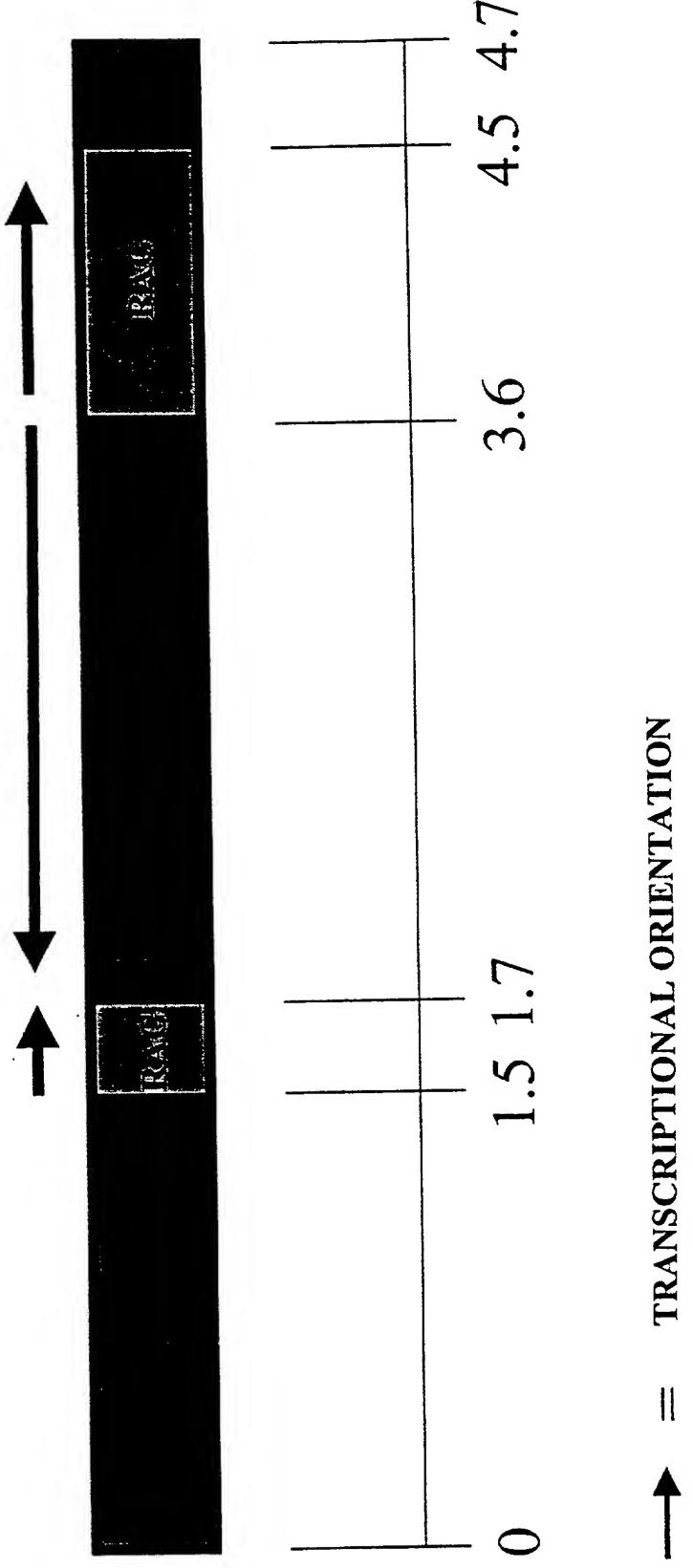


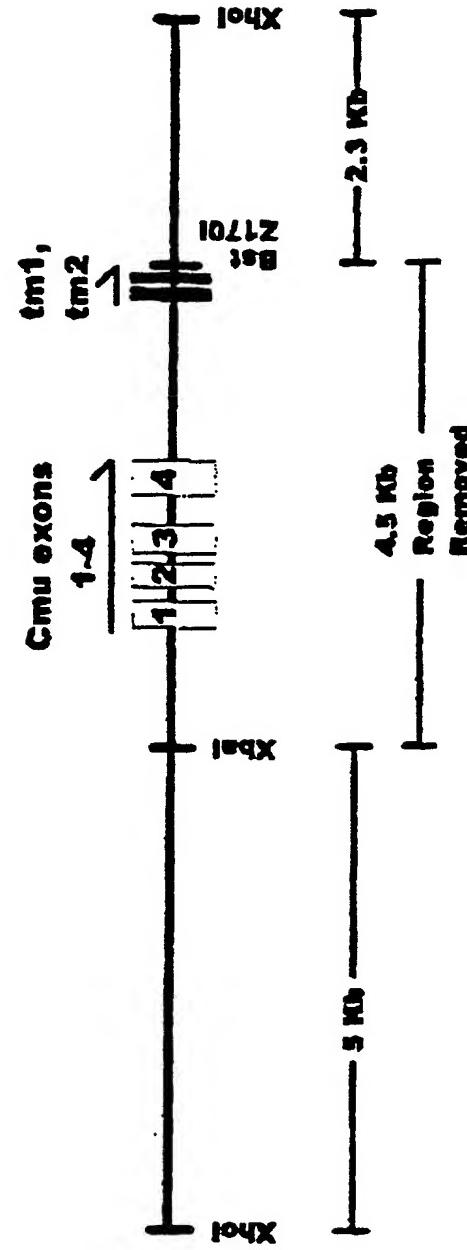
Figure 1. BOVINE RAG2 SEQUENCE

```
>
>
> 773 ATGTCACT ACAGATGGTA ACAGTCGGAA
>
> 801 ATAGCATAGC CTTAATTCAA CCAGGCTTCT CGTTAATGAA
> TTTGATGGG
>
> 851 CAAGTTTCT TCTTGGCCA AAAAGGCTGG CCCAAGAGGT
> CTTGCCAC
>
> 901 TGGAGTTTC CATTGAGG TAAAGCATAA TCATCTAAA
> CTGAAGCCTG
>
> 951 CAGTTTCTC TAAGGATTCC TGCTACCTTC CTCCTCTCG ATACCGGGC
>
> 1001 CACTGCACA TTCAGCGGCC AACTGGAGT CTGAAAAGCA
> TCAGTACATC
>
> 1051 ATCCATGGAG GAAAAACACC AAACAATGAG CTTTCAGATA
> AGATTATGT
>
> 1101 GATGTCTGTT GTTCCAAGA ACAACAAAAA AGTTACCTT
> CGCTGCACAG
>
> 1151 AGAAGGACTT GGTAGGAGAC ATT CCTGAAG GCAGATATGG
> TCATTCCATT
>
> 1201 GATGTGGTGT ATAGTCGGGG GAAAAGTATG GGTGTTCTCT
> TTGGAGGACCG
>
> 1251 GTCATACATA CCTCTGCCA AAAGAACAC AGAGAAATGG
> AACAGTGTAG
>
> 1301 CTGACTGCCT GCCCATGTC TTCTGGTGG ATTTGAATT
> TGGGTGCTCT
>
> 1351 ACGTCATACA TTCTCCAGA ACTTCAAGAT GGACTATCTT
> TTCATGTCTC
>
> 1401 CATTGCCAGA AATGATAACCG TTTATATTTC AGGAGGCCAT
> TCACCTGCCA
>
> 1451 ATAACATCCG CCCTGCCAAT CTGTACAGAA TAAGGGTTGA
> TCTCCCCCTG
>
```

> 1501 GGTAGCCCAG CTGGAGTG CACAGTCTTG CCAGGAGGAA
TCTCTGTCTC
>
> 1551 CAGTGCAATC CTGACTCAA TAAGCAATGA TGAATTGTT
ATTGTTGGTG
>
> 1601 GCTATCAGCT TGAAAATCAA AAAAGAATGG TCTGTAACAT
CATCTCTTC
>
> 1651 AAGTATAACA AGATAGACAT TCTTGAGATG GAAACCCCAG
ATTGGACCCCC
>
> 1701 AGATATTAAG CACAGCAAGA TATGGTTGG AAGCAACATG
GGAAATGGAA
>
> 1751 CTGTTTCCT CGGCATACCA GGAGACAATA AACAGGCTGT
TTCAGAAGCA
>
> 1801 TTTTACTTCT ATACATTGAA ATGTGCTGAA GACGATGTGA
ACGAAGATCA
>
> 1851 GATAACTTTG ACAAGTAGTC AGACATCAAC AGAAGACCCA
GGGGACTCCA
>
> 1901 CTCCCTTGAGA AGACTCAGAA GAATTTGCT TCAGCGCAGA
AGCAAACAGT
>
> 1951 TTGATGGTG ATGATGAATT TGACACCTAC AATGAAGATG
ATGAGGAAGA
>
> 2001 TGAGTCTGAG ACAGGCTATT GGATTACATG CTGCCCTACT
TGTGATGTGG
>
> 2051 ATATCAATAC GTGGGTACCA TTTTATTCAA CTGAGCTCAA
CAAGCCTGCC
>
> 2101 ATGATCTATT GCTCTCATGG AGATGGACAT TGGGTCCATG
CCCAGTGTAT
>
> 2151 GGATCTGGCA GAACGCACCA CCTCATCCAT CTATCAGAAG
GAAGCAATAA
>
> 2201 ATATTAYTGT AACGAGCATG TGGAGATAG

FIG. 2 - MAP OF BOVINE RAG-2 KNOCKOUT CONSTRUCT





The 4.5 Kb region containing the exons encoding the Mu constant region and associated transmembrane domain exons, were deleted and replaced with the foxP-flanked neomycin resistance cassette (Not I fragment).

Figure 3